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15:54 04/15/05 EST Pg 1-

APR 15 2005

P10/SB/64 (01-04)

Approved for use through 07/31/2006. OMB 0551-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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**PETITION FOR REVIVAL OF AN APPLICATION FOR PATENT
ABANDONED UNINTENTIONALLY UNDER 37 CFR 1.137(b)**

Docket Number (Optional)

33-89 CIP

First named inventor: Charles E. Palumbo II

Application No.: 09/909,382

Art Unit: 2814

Filed: July 20, 2001

Examiner: Randy W. Gibson

Title: LASER ALIGNMENT METHOD AND APPARATUS

Attention: Office of Petitions

Mail Stop Petition

Commissioner for Patents

P.O. Box 1450

Alexandria, VA 22313-1450

FAX (703) 872-9306

04/18/2005 EK0112 00000004 09909382

01 FC:2501

700.00 OP

02 FC:1504

300.00 OP

03 FC:2453

750.00 OP

NOTE: If information or assistance is needed in completing this form, please contact Petitions Information at (703) 305-9282.

The above-identified application became abandoned for failure to file a timely and proper reply to a notice or action by the United States Patent and Trademark Office. The date of abandonment is the day after the expiration date of the period set for reply in the office notice or action plus an extensions of time actually obtained.

APPLICANT HEREBY PETITIONS FOR REVIVAL OF THIS APPLICATION

NOTE: A grantable petition requires the following items:

- (1) Petition fee;
- (2) Reply and/or issue fee;
- (3) Terminal disclaimer with disclaimer fee - required for all utility and plant applications filed before June 8, 1995; and for all design applications; and
- (4) Statement that the entire delay was unintentional.

1. Petition fee

☒ Small entity-fee \$ 750.00 (37 CFR 1.17(m)). Applicant claims small entity status. See 37 CFR 1.27.

☐ Other than small entity - fee \$ _____ (37 CFR 1.17(m))

2. Reply and/or fee

A. The reply and/or fee to the above-noted Office action in the form of _____ (identify type of reply):

- ☐ has been filed previously on _____
- ☐ is enclosed herewith.

B. The issue fee and publication fee (if applicable) of \$ 1000.00.

- ☐ has been paid previously on _____
- ☒ is enclosed herewith.

[Page 1 of 2]

This collection of information is required by 37 CFR 1.137(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 1.0 hour to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Mail Stop Petition, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

If you need assistance in completing the form, call 1-800-P10-9199 and select option 2.

PTO/SB/64 (09-04)

Approved for use through 07/31/2006. OMB 0851-0031

U.S. Patent and Trademark Office, U.S. DEPARTMENT OF COMMERCE

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3. Terminal disclaimer with disclaimer fee

- ☒ Since this utility/plant application was filed on or after June 8, 1995, no terminal disclaimer is required.
- ☐ A terminal disclaimer (and disclaimer fee (37 CFR 1.20(d)) of \$ _____ for a small entity or \$ _____ for other than a small entity) disclaiming the required period of time is enclosed herewith (see PTO/SB/83).

4. STATEMENT: The entire delay in filing the required reply from the due date for the required reply until the filing of a grantable petition under 37 CFR 1.137(b) was unintentional. [NOTE: The United States Patent and Trademark Office may require additional information if there is a question as to whether either the abandonment or the delay in filing a petition under 37 CFR 1.137(b) was unintentional (MPEP 711.03(c), subsections (III)(C) and (D)).]

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.


Signature

4-15-05
Date

Joseph E. Chovanes
Typed or printed name

33,481
Registration Number, if applicable

Suite 329, 5 Great Valley Parkway
Address

610.648.3994
Telephone Number

Malvern, PA 19355
Address

Enclosures: ☒ Fee Payment

☐ Reply

☐ Terminal Disclaimer Form

☒ Additional sheets containing statements establishing unintentional delay

☒ Other: Change of Correspondence Address (Application)

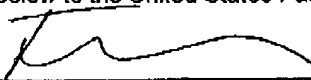
CERTIFICATE OF MAILING OR TRANSMISSION [37 CFR 1.8(a)]

I hereby certify that this correspondence is being:

☐ Deposited with the United States Postal Service on the date shown below with sufficient postage as first class mail in an envelope addressed to: Mail Stop Petition, Commissioner for Patents, P. O. Box 1450, Alexandria, VA 22313-1450.

☒ Transmitted by facsimile on the date shown below to the United States Patent and Trademark Office as (703) 872-9306.

April 15, 2005
Date


Signature

Joseph E. Chovanes
Typed or printed name of person signing certificate

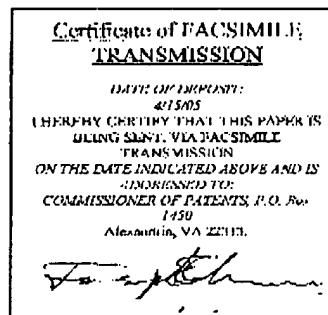
[Page 2 of 2]

RECEIVED
CENTRAL FAX CENTER

APR 15 2005

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Serial No.: 09/909,382
Filed: 07/20/2001
For: LASER ALIGNMENT METHOD
AND APPARATUS
Art Unit: 2841
Examiner: Randy W. Gibson
Atty Dkt.: 33-99 CIP



Attention: Office of Petitions
Mail Stop Petition
Commissioner for Patents
PO Box 1450
Alexandria, VA 22313-1450
FAX (703) 872-9306

**Additional Statement in Support of the Petition for Revival of an Application
Abandoned Unintentionally under 37 CFR §1.137(b)**

1. This statement is attached in support of the Petition For Revival of an Application Abandoned Unintentionally under 37 CFR 1.137(b). As more than twelve months have passed since the Application may have been abandoned, it is believed that an additional statement may be required by the Office under The Manual of Patent Examining Procedure 711.03(b).

2. It was first understood that the Application unintentionally went abandoned when the Transaction History on the Patent and Trademark Office website was reviewed (copy enclosed, as Exhibit "1").

3. A Notice of Allowance had been issued as a First Office Action. That Notice of Allowance was never received by the undersigned or by Applicant. Thus the Application went unintentionally abandoned.

4. The Notice of Allowance was apparently sent to the correspondence address on the case -- 2027 Locust Street, Philadelphia PA 19103. (See enclosed page, Exhibit "2", identifying correspondence address.) But that was not the correct correspondence address.

5. The correct correspondence address was the undersigned's address. That address was either 2047 Locust Street, Philadelphia, PA 19103, or, at or about the time of filing of the case, was a new, changed address Dilworth Paxson, 1735 Market Street, 3200 Mellon Bank Center, Philadelphia PA 19103.

6. The correspondence address has changed again, as seen below, and a notice of change of correspondence address is provided herewith (Exhibit "3").

7. Thus either the 2047 Locust Street address or the Dilworth address would have been the appropriate address on the case.

8. The incorrect address was apparently inadvertently and unintentionally placed on the papers at the time the case was filed (see copies of the filing papers, enclosed at Exhibit "4"). The undersigned did not notice the error at the time he signed the filing papers.

9. As noted above, the undersigned began his association with the Dilworth firm at or about the time this case was filed. An experienced paralegal was employed at that firm, who prepared the filing papers, as well as subsequently docketed the case.

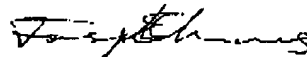
The paralegal has since left that firm, and the undersigned cannot obtain any further particulars from that paralegal or the Dilworth firm.

10. Any failure to file the Notice of Allowance was unintentional, and any delay in filing this Petition is also unintentional. Applicant's attorney has acted as expeditiously as possible in filing this Petition, once the status of the Application was ascertained.

11. Applicant is also unable to enclose an appropriate reply to the Notice of Allowance, as it was never received, but does enclose the fee for same herewith.

12. Therefore, for the reasons given above, it is respectfully requested that this Petition be granted and the Application be forwarded to the proper Office for further processing.

Respectfully submitted,



Joseph E. Chovanes
Registration No. 33,481
Suite 329
5 Great Valley Parkway
Malvern, PA 19355
(610) 648-3994

EXHIBIT "1"
TRANSACTION HISTORY
FROM PTO WEBSITE

Printer Friendly

09/909,382 LASER ALIGNMENT METHOD AND APPARATUS

Transaction History

Date	Contents Description
10-01-2003	Mail Abandonment for Failure to Pay Issue Fee
10-01-2003	Abandonment for Failure to Pay Issue Fee
07-20-2001	Workflow - Drawings Finished
07-20-2001	Workflow - Drawings Matched with File at Contractor
07-10-2003	Receipt into Pubs
06-02-2003	Workflow - File Sent to Contractor
05-30-2003	Receipt into Pubs
05-29-2003	Mail Notice of Allowance
05-27-2003	Notice of Allowance Data Verification Completed
05-27-2003	Notice of Allowability
03-08-2002	Case Docketed to Examiner in GAU
02-21-2002	Application Dispatched from OIPE
02-20-2002	Application Is Now Complete
02-08-2002	Additional Application Filing Fees
02-08-2002	An assertion that the nature of the legal entities having property rights to the patent authorizes t
02-08-2002	A statement by one or more inventors satisfying the requirement under 35 USC 115, Oath of the Applic
08-08-2001	Notice Mailed--Application Incomplete--Filing Date Assigned
08-07-2001	Correspondence Address Change
07-31-2001	IFW Scan & PACR Auto Security Review
07-20-2001	Initial Exam Team on

Close Window

EXHIBIT "2"
IDENTIFYING CORRESPONDENCE
ADDRESS

Page 1 of 1

Printer Friendly

09/909,382 LASER ALIGNMENT METHOD AND APPARATUS

Correspondence Details

Correspondence Address		
Name:	Joseph E. Chovanes	
Address:	2027 Locust Street Philadelphia PA 19103	
Attorney/Agent Information		
Reg #	Name	Phone
33481	CHOVANES, JOSEPH	610-648-3994

[Close Window](#)

EXHIBIT "3"

NOTICE OF CHANGE OF

CORRESPONDENCE ADDRESS

PTO/SB/122 (09-04)

Approved for use through 07/31/2006. OMB 0651-0035
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**CHANGE OF
CORRESPONDENCE ADDRESS
Application**Address to:
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Application Number	09/009,382
Filing Date	07/20/2001
First Named Inventor	Charles E. Palumbo II
Art Unit	2841
Examiner Name	Randy W. Gibson
Attorney Docket Number	33-99 CIP

Please change the Correspondence Address for the above-identified patent application to:

☐ The address associated with
Customer Number:

OR

☒ Firm or
Individual Name Joseph E. Chovanes, Esq.Address 5 Great Valley Parkway
Suite 329

City Malvern

State
PA

Zip 19355

Country USA

Telephone 610.648.3994

Fax 610.648.3997

This form cannot be used to change the data associated with a Customer Number. To change the data associated with an existing Customer Number use "Request for Customer Number Data Change" (PTO/SB/124).

I am the:

- ☐ Applicant/Inventor
- ☐ Assignee of record of the entire interest.
Statement under 37 CFR 3.73(b) is enclosed. (Form PTO/SB/96).
- ☒ Attorney or agent of record. Registration Number 33,481
- ☐ Registered practitioner named in the application transmittal letter in an application without an executed oath or declaration. See 37 CFR 1.33(a)(1). Registration Number _____

Signature

Typed or Printed
Name

Joseph E. Chovanes

Date April 15, 2005

Telephone 610.648.3994

NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required. See below.

☐ Total of _____ forms are submitted.

This collection of information is required by 37 CFR 1.33. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 3 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FFFS OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

EXHIBIT "4"
VARIOUS COPIES OF FILING PAPERS


Please type a plus sign (+) inside this box

PTO/SB/05 (11-00)

Appr. for use through 10/31/2002. OMB 0651-0032

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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UTILITY PATENT APPLICATION TRANSMITTAL		Attorney Docket No. 33-99 CIP	
(Only for new nonprovisional applications under 37 CFR 1.53(h))		First Inventor Charles E. PALUMBO, II	
		Title LASER ALIGNMENT METHOD AND APPARATUS	
		Express Mail Label No. EL875326731US	
APPLICATION ELEMENTS See MPEP chapter 600 concerning utility patent application contents		ADDRESS TO: Assistant Commissioner for Patents Box Patent Application Washington, DC 20231	
1. <input checked="" type="checkbox"/> Fee Transmittal Form (e.g. PTO/SB/17) <i>(Submit an original and a duplicate for fee processing)</i> 2. <input checked="" type="checkbox"/> Applicant claims small entity status, Sec 37 CFR 1.27. 3. <input checked="" type="checkbox"/> Specification [Total Pages 17] <i>(preferred arrangement set forth below)</i> <ul style="list-style-type: none"> - Descriptive title of the invention - Cross Reference to Related Applications - Statement Regarding Fed sponsored R & D - Reference to sequence listing, a table, or a computer program listing appendix - Background of the Invention - Brief Description of the Drawings (if filed) - Detailed Description - Claim(s) - Abstract of the Disclosure 4. <input checked="" type="checkbox"/> Drawing(s) (35 U.S.C. 113) [Total Pages 14] 5. Oath or Declaration [Total Pages] a. <input type="checkbox"/> Newly executed (original or copy) b. <input type="checkbox"/> Copy from a prior application (37 CFR 1.63(d)) <i>(for continuation divisional with Box 18 completed)</i> i. DELETION OF INVENTOR(S) <input type="checkbox"/> Signed statement attached deleting inventor(s) named in the prior application (see 37 CFR 1.63(d)(2) and 1.33(b)) 6. <input type="checkbox"/> Application Data Sheet. See 37 CFR 1.76		7. <input type="checkbox"/> CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix) 8. <input type="checkbox"/> Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary) a. <input type="checkbox"/> Computer Readable Form (CRF) b. <input type="checkbox"/> Specification Sequence Listing on: i. <input type="checkbox"/> CD-ROM or CD-R (2 copies); or ii. <input type="checkbox"/> paper c. <input type="checkbox"/> Statements verifying identity of above copies	
ACCOMPANYING APPLICATION PARTS			
9. <input type="checkbox"/> Assignment Papers (cover sheet & document(s)) 10. <input type="checkbox"/> 37 CFR 3.73(b) Statement [] Power of Attorney (when there is an assignee) 11. <input type="checkbox"/> English Translation Document (if applicable) 12. <input type="checkbox"/> Information Disclosure [] Copies of IDS Statement (IDS)/PTO-1449 Citations 13. <input type="checkbox"/> Preliminary Amendment 14. <input checked="" type="checkbox"/> Return Receipt Postcard (MPEP 503) (Should be specifically itemized) 15. <input type="checkbox"/> Certified Copy of Priority Document(s) (if foreign priority is claimed) Request and Certification under 35 U.S.C. 122 (b)(2)(i) 16. <input type="checkbox"/> Applicant must attach form PTO/SB/35 or its equivalent 17. <input type="checkbox"/> Other:			
18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76: <input type="checkbox"/> Continuation <input type="checkbox"/> Divisional <input checked="" type="checkbox"/> Continuation-in-part (CIP) of prior application No.: 09/326,424 Prior application information: Examiner: R. Gibson Group Art Unit: 2859 For CONTINUATION OR DIVISIONAL APPS ONLY: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relief upon when a portion has been inadvertently omitted from the submitted application parts.			
19. CORRESPONDENCE ADDRESS			
<input type="checkbox"/> Customer Number or Bar Code Label (Insert Customer No. or Attach bar code label here) or <input checked="" type="checkbox"/> Correspondence address below			
Name		Joseph E. Chovanes	
Address		2027 Locust Street	
City	Philadelphia	State	Pennsylvania
Country	US	Zip Code	19103
Name (Print/Type)	Joseph E. Chovanes	Registration No. (Attorney/Agent)	33,481
Signature		Date	July 20, 2001

CERTIFICATION UNDER 37 CFR § 1.10

I hereby certify that this correspondence and the documents referred to as attached therein are being deposited with the U.S. Postal Service on 07/20/2001, in an envelope as "EXPRESS MAIL POST OFFICE TO ADDRESSEE" service under 37 CFR § 1.10, Mailing Label Number EL875326406US addressed to the Assistant Commissioner for Patents, Washington, DC 20231.

PTO/SB/17 (11-00)

Approved for use through 10/31/2002. OMB 0651-0032

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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FEE TRANSMITTAL for FY 2001		Complete if known																																																																																																																																																																															
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1. [X] The Commissioner is hereby authorized to charge indicated fees and credit any over payments to: Deposit Account: <u>50-0979</u> Deposit Account Name: _____ <input checked="" type="checkbox"/> Charge Any Additional Fee Required Under 37 CFR 1.16 and 1.17 <input checked="" type="checkbox"/> Applicant claims small entity status See 37 CFR 1.27		3. ADDITIONAL FEES <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>Fee Code</th> <th>Large Entity Fee (\$)</th> <th>Fee Code</th> <th>Small Entity Fee (\$)</th> <th>Fee Description</th> <th>Fee Paid</th> </tr> </thead> <tbody> <tr><td>105</td><td>130</td><td>205</td><td>65</td><td>Surcharge - late filing fee or oath</td><td></td></tr> <tr><td>127</td><td>50</td><td>227</td><td>25</td><td>Surcharge - late provisional filing fee or cover sheet</td><td></td></tr> <tr><td>139</td><td>130</td><td>139</td><td>130</td><td>Non-English specification</td><td></td></tr> <tr><td>147</td><td>2,520</td><td>147</td><td>2,520</td><td>For filing a request for <i>ex parte</i> reexamination</td><td></td></tr> <tr><td>112</td><td>920*</td><td>112</td><td>920*</td><td>Requesting publication of SIR prior to Examiner action</td><td></td></tr> <tr><td>113</td><td>1,840*</td><td>113</td><td>1,840*</td><td>Requesting publication of SIR after Examiner action</td><td></td></tr> <tr><td>115</td><td>110</td><td>215</td><td>55</td><td>Extension fee reply within first month</td><td></td></tr> <tr><td>116</td><td>390</td><td>216</td><td>195</td><td>Extension fee reply within second month</td><td></td></tr> <tr><td>117</td><td>890</td><td>217</td><td>445</td><td>Extension fee reply within third month</td><td></td></tr> <tr><td>118</td><td>1,390</td><td>218</td><td>695</td><td>Extension fee reply within fourth month</td><td></td></tr> <tr><td>128</td><td>1,890</td><td>228</td><td>945</td><td>Extension fee reply within fifth month</td><td></td></tr> <tr><td>119</td><td>310</td><td>219</td><td>155</td><td>Notice of Appeal</td><td></td></tr> <tr><td>120</td><td>310</td><td>220</td><td>155</td><td>Filing a brief in support of an appeal</td><td></td></tr> <tr><td>121</td><td>270</td><td>221</td><td>135</td><td>Request for oral hearing</td><td></td></tr> <tr><td>138</td><td>1,510</td><td>138</td><td>1,510</td><td>Petition to institute a public use proceeding</td><td></td></tr> <tr><td>140</td><td>110</td><td>240</td><td>55</td><td>Petition to revive - unavoidable</td><td></td></tr> <tr><td>141</td><td>1,240</td><td>241</td><td>620</td><td>Petition to revive - unintentional</td><td></td></tr> <tr><td>142</td><td>1,240</td><td>242</td><td>620</td><td>Utility issue fee (or reissue)</td><td></td></tr> <tr><td>143</td><td>440</td><td>243</td><td>220</td><td>Design issue fee</td><td></td></tr> <tr><td>144</td><td>600</td><td>244</td><td>300</td><td>Plant issue fee</td><td></td></tr> <tr><td>122</td><td>130</td><td>122</td><td>130</td><td>Petition to the Commissioner</td><td></td></tr> <tr><td>123</td><td>50</td><td>123</td><td>50</td><td>Processing fee under 37 CFR 1.17(g)</td><td></td></tr> <tr><td>126</td><td>180</td><td>126</td><td>180</td><td>Submission of Information Disclosure Sheet</td><td></td></tr> <tr><td>581</td><td>40</td><td>581</td><td>40</td><td>Recording each patent assignment per property (times number of properties)</td><td></td></tr> <tr><td>146</td><td>710</td><td>246</td><td>355</td><td>Filing a submission after final rejection (37 CFR § 1.129(a))</td><td></td></tr> <tr><td>149</td><td>710</td><td>249</td><td>355</td><td>For each additional invention to be examined (37 CFR § 1.129(b))</td><td></td></tr> <tr><td>179</td><td>710</td><td>279</td><td>355</td><td>Request for Continued Examination (RCE)</td><td></td></tr> <tr><td>169</td><td>900</td><td>169</td><td>900</td><td>Request for expedited examination of a design application</td><td></td></tr> </tbody> </table>		Fee Code	Large Entity Fee (\$)	Fee Code	Small Entity Fee (\$)	Fee Description	Fee Paid	105	130	205	65	Surcharge - late filing fee or oath		127	50	227	25	Surcharge - late provisional filing fee or cover sheet		139	130	139	130	Non-English specification		147	2,520	147	2,520	For filing a request for <i>ex parte</i> reexamination		112	920*	112	920*	Requesting publication of SIR prior to Examiner action		113	1,840*	113	1,840*	Requesting publication of SIR after Examiner action		115	110	215	55	Extension fee reply within first month		116	390	216	195	Extension fee reply within second month		117	890	217	445	Extension fee reply within third month		118	1,390	218	695	Extension fee reply within fourth month		128	1,890	228	945	Extension fee reply within fifth month		119	310	219	155	Notice of Appeal		120	310	220	155	Filing a brief in support of an appeal		121	270	221	135	Request for oral hearing		138	1,510	138	1,510	Petition to institute a public use proceeding		140	110	240	55	Petition to revive - unavoidable		141	1,240	241	620	Petition to revive - unintentional		142	1,240	242	620	Utility issue fee (or reissue)		143	440	243	220	Design issue fee		144	600	244	300	Plant issue fee		122	130	122	130	Petition to the Commissioner		123	50	123	50	Processing fee under 37 CFR 1.17(g)		126	180	126	180	Submission of Information Disclosure Sheet		581	40	581	40	Recording each patent assignment per property (times number of properties)		146	710	246	355	Filing a submission after final rejection (37 CFR § 1.129(a))		149	710	249	355	For each additional invention to be examined (37 CFR § 1.129(b))		179	710	279	355	Request for Continued Examination (RCE)		169	900	169	900	Request for expedited examination of a design application	
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127	50	227	25	Surcharge - late provisional filing fee or cover sheet																																																																																																																																																																													
139	130	139	130	Non-English specification																																																																																																																																																																													
147	2,520	147	2,520	For filing a request for <i>ex parte</i> reexamination																																																																																																																																																																													
112	920*	112	920*	Requesting publication of SIR prior to Examiner action																																																																																																																																																																													
113	1,840*	113	1,840*	Requesting publication of SIR after Examiner action																																																																																																																																																																													
115	110	215	55	Extension fee reply within first month																																																																																																																																																																													
116	390	216	195	Extension fee reply within second month																																																																																																																																																																													
117	890	217	445	Extension fee reply within third month																																																																																																																																																																													
118	1,390	218	695	Extension fee reply within fourth month																																																																																																																																																																													
128	1,890	228	945	Extension fee reply within fifth month																																																																																																																																																																													
119	310	219	155	Notice of Appeal																																																																																																																																																																													
120	310	220	155	Filing a brief in support of an appeal																																																																																																																																																																													
121	270	221	135	Request for oral hearing																																																																																																																																																																													
138	1,510	138	1,510	Petition to institute a public use proceeding																																																																																																																																																																													
140	110	240	55	Petition to revive - unavoidable																																																																																																																																																																													
141	1,240	241	620	Petition to revive - unintentional																																																																																																																																																																													
142	1,240	242	620	Utility issue fee (or reissue)																																																																																																																																																																													
143	440	243	220	Design issue fee																																																																																																																																																																													
144	600	244	300	Plant issue fee																																																																																																																																																																													
122	130	122	130	Petition to the Commissioner																																																																																																																																																																													
123	50	123	50	Processing fee under 37 CFR 1.17(g)																																																																																																																																																																													
126	180	126	180	Submission of Information Disclosure Sheet																																																																																																																																																																													
581	40	581	40	Recording each patent assignment per property (times number of properties)																																																																																																																																																																													
146	710	246	355	Filing a submission after final rejection (37 CFR § 1.129(a))																																																																																																																																																																													
149	710	249	355	For each additional invention to be examined (37 CFR § 1.129(b))																																																																																																																																																																													
179	710	279	355	Request for Continued Examination (RCE)																																																																																																																																																																													
169	900	169	900	Request for expedited examination of a design application																																																																																																																																																																													
2. [X] Payment Enclosed <input checked="" type="checkbox"/> Check <input type="checkbox"/> Credit Card <input type="checkbox"/> Money Order <input type="checkbox"/> Other		Other fee (specify): _____ *Reduced by Basic Filing Fee Paid																																																																																																																																																																															
FEE CALCULATION		SUBTOTAL (3)																																																																																																																																																																															
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2. EXTRA CLAIMS FEES <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>Total Claims</th> <th>Extra Claims</th> <th>Fee from below</th> <th>Fee Paid</th> </tr> </thead> <tbody> <tr> <td>17</td> <td>-20**</td> <td>9</td> <td>\$</td> </tr> <tr> <td>Independent Claims</td> <td>2</td> <td>-3**</td> <td>\$</td> </tr> <tr> <td>Multiple Independent</td> <td></td> <td>+</td> <td>\$</td> </tr> </tbody> </table>		Total Claims	Extra Claims	Fee from below	Fee Paid	17	-20**	9	\$	Independent Claims	2	-3**	\$	Multiple Independent		+	\$	SUBTOTAL (2) \$																																																																																																																																																															
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Name (Print/Type) Joseph E. Ghovanes		Registration No. (Attorney/Agent) 33,481	Telephone (215) 575-7000																																																																																																																																																																														
Signature _____		Date July 20, 2001																																																																																																																																																																															

UNITED STATES PATENT AND TRADEMARK OFFICE
 Docket No. 33-99 CIP (JEC) Applicant: PALUMBO
 Serial No.: n/a Attorney: JEC
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LASER ALIGNMENT METHOD AND APPARATUS

CROSS-REFERENCE TO RELATED APPLICATIONS

This application is a continuation in part of U.S. Serial No. application Ser. No. 09/326,424, entitled "LASER ALIGNMENT METHOD AND APPARATUS" filed on 06/04/99, by Charles E. Palumbo, II, which disclosure is incorporated herein by reference.

Background of the Invention

This invention relates to apparatus and methods used regarding alignment of pipe and other materials. More particularly, it relates to laser apparatus and methods used in the alignment of pipe and other materials.

The use of lasers in the alignment of pipe and other materials is of course known in the art. One method is to use a reference beam of light generated by a laser in combination with a reference marker or target in order to provide a straight line along which to establish the desired paths of the pipe. This ensures alignment along the laser beam or at the target's reference point remote from the laser because of the straight line accuracy of the laser beam. The use of the target, however, is in many cases less than convenient, especially where only a single worker is operating the system, as may be the case when laying sprinkler pipe or other pipe in indoor construction. Moreover, the laser used in this method is a gas laser. Gas lasers are themselves unwieldy, requiring high levels of power, which makes use difficult in handheld operations.

What has been lacking to date are simple and inexpensive apparatus and methods for the alignment of pipe and other material. This lack is especially acute in pipe alignment in internal construction, for example, such as in sprinkler pipe systems for warehouses. These pipe systems, usually comprised of branch lines running outwardly from a main or mains, are often laid in a grid pattern or at right angles.